

## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/576,792  
Source: TFADP  
Date Processed by STIC: SS-06

**ENTERED**

**CRF Errors Edited by the STIC Systems Branch**

Serial Number:

10/576,792

CRF Edit Date:

55-06

Edited by:

TC

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: invalid beginning/end-of-file text ; page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



IFWP

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/576,792**

**DATE: 05/05/2006**  
**TIME: 14:58:14**

**Input Set : A:\PTO.KD.txt**  
**Output Set: N:\CRF4\05052006\J576792.raw**

3 <110> APPLICANT: Bayer HealthCare AG  
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with G  
 Protein-  
 6       Coupled Receptor 85 (GPR85)  
 8 <130> FILE REFERENCE: BHC 03 01 056  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/576,792  
 C--> 10 <141> CURRENT FILING DATE: 2006-04-21  
 10 <160> NUMBER OF SEQ ID NOS: 5  
 12 <170> SOFTWARE: PatentIn version 3.1  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 3685  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: Homo sapiens  
 19 <400> SEQUENCE: 1  
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 21 ttttgttca ttaacagatt attataaaggc aaaaagcatg cagaaaaaga agcagacgtt      120  
 22 ttacattggg aattaatgaa agcgtgtctg ctatgtttgg gtaggagaac tggaaagtgg      180  
 23 ttgcttaaaa ttttatatca ccccccacaaa caaaaactttt cggaaatgtt aaaataagaa      240  
 24 aatgcattat tcttagaggca ttccctaaagca cccacgtgtc aggctttgtt gtgtctgtgg      300  
 25 tatcatccga ccgtttggac tggtagggc ttactgagag ctccattttt ggaaagcctt      360  
 26 acaagactga ggaatatcag actgcataatc accggaaacg gttcccttgc agcacagaag      420  
 27 caatctctct ccccatcttc gcatattctg atggccaaac aagtggaaag aaagaggaag      480  
 28 catgactgca gatcagatca gttcttttg tggatttatat tttcagtaaa atgtatggat      540  
 29 ctatctttt cttgttctta tatctagatc atgagactt actgaggctg tatccttac      600  
 30 ctccatccat ctatggcgaa ctatagccat gcagctgaca acattttgc aaatctctcg      660  
 31 cctctaacag cttttctgaa actgacttcc ttgggttca taataggagt cagcgtggtg      720  
 32 ggcaacctcc tcatctccat tttgttagtg aaagataaga cttgcatacg agcaccttac      780  
 33 tacttcctgt tggatcttgc ctgttcagat atcctcagat ctgcaatttg tttccattt      840  
 34 gtgttcaact ctgtcaaaaaa tggctctacc tggactttagt ggactctgac ttgcaaaagt      900  
 35 attgcctttc tgggggtttt gtcctgtttc cacactgctt tcatgctttt ctgcatacg      960  
 36 gtcaccagat acttagctat cgccccatcac cgcttctata caaagaggct gaccccttgg      1020  
 37 acgtgtctgg ctgtgatctg tatgggtgtgg actctgtctg tggccatggc atttcccccg      1080  
 38 gtttagacg tgggcactta ctcatttattt agggaggaag atcaatgcac cttccaacac      1140  
 39 cgctccttca gggctaattttt ttcccttagga tttatgttgc ttcttgcctt catctccata      1200  
 40 gccacacagc ttgtcttacctt caagctgata ttttctgtcc acgatcgaag aaaaatgaag      1260  
 41 ccagtccagt ttgttagcagc agtcagccag aactggactt ttcatggtcc tggagccagt      1320  
 42 ggcaggcag ctgccaattt gctagcagga tttggaaagggtt gtcacccacacc acccacctt      1380  
 43 ctgggcattca ggcaaaatgc aaacaccaca ggcagaagaa ggctattgtt cttagacgag      1440  
 44 ttcaaaaatgg agaaaaaat cagcagaatg ttctatataa tgacttttct gtttcttacc      1500  
 45 ttgtggggcc cttttttttt ggcctgtttt tggagagttt ttgcaagagg gcctgttagta      1560  
 46 ccaggggat ttctaacatgc tgcgtctgg atgagttttt cccaaaggcagg aatcaatcct      1620  
 47 ttgtctgca ttttctcaaa caggggagctg aggcgtgtt tcagcacaac ctttcttac      1680  
 48 tgcagaaaat ccaggttacc aaggaaacct tactgttta tatgagggag catctgtaaa      1740  
 49 tctttagcct tgtgaaaact aaccttctct gctgagcaat tgtggcccat agccatattt      1800

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/576,792

DATE: 05/05/2006  
TIME: 14:58:14

Input Set : A:\PTO.KD.txt  
Output Set: N:\CRF4\05052006\J576792.raw

50	tgagaagaaa	ttcaagaatg	gaatcagcag	tttaaggat	ttgggcaaca	ttctgcagtc	1860
51	tttgcata	atccatattt	aaatctcaga	gtgatcctgc	tgactgccag		1920
52	caaaggttt	taattaagaa	gggactgaac	cactgcccta	agtttcttta	tgtggtcaaa	1980
53	aactagataa	tgaaagttagc	aggtgctaa	tatcagtgc	aatgctctg	tatgtcacta	2040
54	catatgaaaa	aacatcaaaa	aacaatttagc	attggacatc	ttaataaaatt	aagttgacat	2100
55	gaggttaatg	tgttgataaa	aactaatttt	agaagttga	agactttaaa	acatttcata	2160
56	ctactattgt	tttgcaaga	ctaaaaatatt	tgggactta	aagtactgta	atccactaaa	2220
57	gacgtgcca	tgaattattg	gaatatcaca	ctttaaaaac	cgccttgtaa	gttctgggga	2280
58	gcattccaa	gcagtatatt	ggttccaatt	agagtttact	tttttgtat	taatacattg	2340
59	ctatttctaa	ataccactt	cctcatctac	tagtaagatt	gctagcatg	aactgttata	2400
60	tgtggtttt	gttgatttgg	tataaagttt	ttccaattca	tttatatttt	acaatgcta	2460
61	gatattggc	tgggaggca	cattaatgg	accagcctgt	cacaactgag	cagttctaat	2520
62	aatgcagaat	aaatacatgt	tgccttaaag	ggttatctag	tatccttcat	tttatttagc	2580
63	actggagcaa	atagccaaagg	gaaatcaaata	cagtaactgg	tcatggtcat	gcatctaaaa	2640
64	gtgcatttt	gatcatttat	tacttttcc	ttttttctc	acatggttt	aaacttaaag	2700
65	tgcacatcac	tgaataatg	agattttctt	ctacgggtgt	ctacccttc	taaactgttc	2760
66	taagaagcag	gcagttgtat	tatgtttata	ttttaagtca	gctgtcaagg	ggagaccaca	2820
67	gccttagtat	gacatcctgc	acaatttgc	aagcatttat	tctactqaag	gcacagtctt	2880
68	gtttatactt	tctgcacatt	cagtgtattt	gtaatttaaa	ttatttca	tttaacttgt	2940
69	gaaagcttat	attatgattt	ctggattttt	agaaatacat	tagagtctgt	gagtcatt	3000
70	ctttaagata	cagatgtgt	aacttcaata	taaagttgca	tttgccaaaa	tttacccgtg	3060
71	tagcctgtt	atttcttga	aataagttt	acattttgg	cacataacaa	cgttttttt	3120
72	aatttggag	gcaagcacaa	actaggaaga	ctagcttat	tatggtttt	ctttttgatt	3180
73	ctttagtcta	ctatattcca	gactggaaat	gtatgaatga	taatcaacat	aatgctgata	3240
74	aactgacata	atattatctg	taaaagcatt	atttggtagt	ttattataat	catccctcta	3300
75	ttattcttaa	atgccagtag	tattnagaga	tgtgtacctg	tttagttaat	tggctcagaa	3360
76	ttttaatata	aacatcacac	tttaatttgg	agcatagtagc	catagaaatt	tgggttctt	3420
77	aatatacaac	ttgtaaagaa	aatggtttac	actaacat	tgacaaaact	agaaaaaagt	3480
78	attatttttt	tttgcttct	gttggttt	ttattggtt	gtttttgtt	agtttatttt	3540
79	ttttttggta	tttgataatt	aagatttaga	atctaataac	acagaattcc	atattgctat	3600
80	agtacttctg	taaagagaat	atcaatataa	ataaggaaaa	taaatcaatg	aaatgtttca	3660
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83 <210> SEQ ID NO: 2

84 <211> LENGTH: 370

85 <212> TYPE: PRT

86 <213> ORGANISM: Homo sapiens

88 <400> SEQUENCE: 2

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91	Pro	Leu	Thr	Ala	Phe	Leu	Lys	Leu	Thr	Ser	Leu	Gly	Phe	Ile	Ile	Gly
92				20				25				30				
93	Val	Ser	Val	Val	Gly	Asn	Leu	Leu	Ile	Ser	Ile	Leu	Leu	Val	Lys	Asp
94				35				40				45				
95	Lys	Thr	Leu	His	Arg	Ala	Pro	Tyr	Tyr	Phe	Leu	Leu	Asp	Leu	Cys	Cys
96				50				55				60				
97	Ser	Asp	Ile	Leu	Arg	Ser	Ala	Ile	Cys	Phe	Pro	Phe	Val	Phe	Asn	Ser
98	65			70				75				80				
99	Val	Lys	Asn	Gly	Ser	Thr	Trp	Thr	Tyr	Gly	Thr	Leu	Thr	Cys	Lys	Val
100				85				90				95				

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PATENT APPLICATION: US/10/576,792

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TIME: 14:58:14

Input Set : A:\PTO.KD.txt  
Output Set: N:\CRF4\05052006\J576792.raw

101 Ile Ala Phe Leu Gly Val Leu Ser Cys Phe His Thr Ala Phe Met Leu  
 102 100 105 110  
 103 Phe Cys Ile Ser Val Thr Arg Tyr Leu Ala Ile Ala His His Arg Phe  
 104 115 120 125  
 105 Tyr Thr Lys Arg Leu Thr Phe Trp Thr Cys Leu Ala Val Ile Cys Met  
 106 130 135 140  
 107 Val Trp Thr Leu Ser Val Ala Met Ala Phe Pro Pro Val Leu Asp Val  
 108 145 150 155 160  
 109 Gly Thr Tyr Ser Phe Ile Arg Glu Glu Asp Gln Cys Thr Phe Gln His  
 110 165 170 175  
 111 Arg Ser Phe Arg Ala Asn Asp Ser Leu Gly Phe Met Leu Leu Ala  
 112 180 185 190  
 113 Leu Ile Leu Leu Ala Thr Gln Leu Val Tyr Leu Lys Leu Ile Phe Phe  
 114 195 200 205  
 115 Val His Asp Arg Arg Lys Met Lys Pro Val Gln Phe Val Ala Ala Val  
 116 210 215 220  
 117 Ser Gln Asn Trp Thr Phe His Gly Pro Gly Ala Ser Gly Gln Ala Ala  
 118 225 230 235 240  
 119 Ala Asn Trp Leu Ala Gly Phe Gly Arg Gly Pro Thr Pro Pro Thr Leu  
 120 245 250 255  
 121 Leu Gly Ile Arg Gln Asn Ala Asn Thr Thr Gly Arg Arg Arg Leu Leu  
 122 260 265 270  
 123 Val Leu Asp Glu Phe Lys Met Glu Lys Arg Ile Ser Arg Met Phe Tyr  
 124 275 280 285  
 125 Ile Met Thr Phe Leu Phe Leu Thr Leu Trp Gly Pro Tyr Leu Val Ala  
 126 290 295 300  
 127 Cys Tyr Trp Arg Val Phe Ala Arg Gly Pro Val Val Pro Gly Gly Phe  
 128 305 310 315 320  
 129 Leu Thr Ala Ala Val Trp Met Ser Phe Ala Gln Ala Gly Ile Asn Pro  
 130 325 330 335  
 131 Phe Val Cys Ile Phe Ser Asn Arg Glu Leu Arg Arg Cys Phe Ser Thr  
 132 340 345 350  
 133 Thr Leu Leu Tyr Cys Arg Lys Ser Arg Leu Pro Arg Glu Pro Tyr Cys  
 134 355 360 365  
 135 Val Ile  
 136 370  
 138 <210> SEQ ID NO: 3  
 139 <211> LENGTH: 20  
 140 <212> TYPE: DNA  
 141 <213> ORGANISM: artificial sequence  
 143 <220> FEATURE:  
 144 <223> OTHER INFORMATION: forward primer  
 146 <400> SEQUENCE: 3  
 147 tttgcaagag ggcctgtatg 20  
 149 <210> SEQ ID NO: 4  
 150 <211> LENGTH: 19  
 151 <212> TYPE: DNA  
 152 <213> ORGANISM: artificial sequence  
 154 <220> FEATURE:

**RAW SEQUENCE LISTING****PATENT APPLICATION: US/10/576,792****DATE: 05/05/2006****TIME: 14:58:14****Input Set : A:\PTO.KD.txt****Output Set: N:\CRF4\05052006\J576792.raw**

155 &lt;223&gt; OTHER INFORMATION: reverse primer

157 &lt;400&gt; SEQUENCE: 4

158 tgggcaaaac tcatccaga

19

160 &lt;210&gt; SEQ ID NO: 5

161 &lt;211&gt; LENGTH: 25

162 &lt;212&gt; TYPE: DNA

163 &lt;213&gt; ORGANISM: artificial sequence

165 &lt;220&gt; FEATURE:

166 &lt;223&gt; OTHER INFORMATION: probe

168 &lt;400&gt; SEQUENCE: 5

169 ccagggggat ttctaacagc tgctg

25

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/576,792

DATE: 05/05/2006

TIME: 14:58:15

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05052006\J576792.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

## **Raw Sequence Listing before editing (for reference only)**



IFWP

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION:** US/10/576,792

**DATE:** 05/03/2006  
**TIME:** 11:26:14

**Input Set :** A:\pto.da.txt  
**Output Set:** N:\CRF4\05032006\J576792.raw

3 <110> APPLICANT: Bayer HealthCare AG  
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with G  
 Protein-  
 6        Coupled Receptor 85 (GPR85)  
 8 <130> FILE REFERENCE: BHC 03 01 056  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/576,792  
 C--> 10 <141> CURRENT FILING DATE: 2006-04-21  
 10 <160> NUMBER OF SEQ ID NOS: 5  
 12 <170> SOFTWARE: PatentIn version 3.1

**ERRORED SEQUENCES**

160 <210> SEQ ID NO: 5  
 161 <211> LENGTH: 25  
 162 <212> TYPE: DNA  
 163 <213> ORGANISM: artificial sequence  
 165 <220> FEATURE:  
 166 <223> OTHER INFORMATION: probe  
 168 <400> SEQUENCE: 5  
 169 ccagggat ttctaacagc tqctq

E--> 172 BHC 03 1 056-Foreign Countries

W--> 174 - 4 -

Does Not Comply  
 Corrected Diskette Needed

(Pj.)

25

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**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/10/576,792

DATE: 05/03/2006  
TIME: 11:26:15

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\05032006\J576792.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:172 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5  
L:174 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5